

3748

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Oliver J. Murphy and  
Craig C. Andrews

Serial No.: 09/163,068

Filed: September 29, 1998

For: Catalytic Reduction of Emissions from  
Internal Combustion Engines



Group Art Unit: 3748

Examiner: B. Tran

Assistant Commissioner of Patents  
Washington, D.C. 20231

Dear Sir:

CERTIFICATE OF MAILING  
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited on the date below with the U. S. Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231.

May 3, 2000

Date

*Jeffrey L. Streets*

Signature

**RESPONSE TO OFFICE ACTION MAILED APRIL 11, 2000**

In response to the office action mailed April 11, 2000 having a shortened statutory period for response expiring June 11, 2000, please consider the following remarks and amendments.

IN THE CLAIMS:

Please cancel claim 32.

Please amend the following claims:

1.(Amended) An apparatus for treating exhaust from an internal combustion engine in communication with an exhaust pipe, comprising:

an oxidizing catalyst bed disposed in the exhaust pipe;  
a reducing catalyst bed disposed in the exhaust pipe downstream from the oxidizing catalyst bed;

a source of hydrogen having a first control valve providing fluid communication with the oxidizing catalyst bed, a second control valve providing fluid communication with the reducing catalyst bed, and a third control valve providing fluid communication

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